

ABSTRACT OF THE DISCLOSURE

Calibration associated with output density correction of a printer is effected by software calibration manipulated by the user and device  
5 calibration automatically performed by the printer, and, regarding these calibrations, high accurate calibration in which dither patterns for binarizing processing are matched to each other is effected.

In a system in which either one of halftone  
10 patterns A, B, C and D as dither patterns can be used, regarding fewer number of patterns A and B, second calibration tables are created by correcting first calibration tables based on the software calibration by using correction data of engine characteristics based  
15 on the device calibration. Among the usable halftone patterns, the calibration table corresponding to the pattern A or B is selected in accordance with the set halftone pattern, and the output density correction by using the selected table.